

WHAT IS CLAIMED IS:

1. A ground shield structure, suitable for use in an electronic circuit structure, the ground shield structure at least comprising:

5 a plurality of polygon ground cells, periodically, compactly, and complementarily distributed on a ground surface, wherein a slot exists between the two adjacent ground cells.

2. The ground shield structure of claim 1, further comprising at least an interconnection member connecting two of the adjacent ground cells.

10 3. The ground shield structure of claim 1, wherein the ground cells have an identical cross-sectional profile.

4. The ground shield structure of claim 1, wherein the ground cells have different shape of cross-sectional profiles.

5. The ground shield structure of claim 1, wherein the ground surface includes a planar surface.

15 6. The ground shield structure of claim 1, wherein the ground surface includes a curved surface.

7. A ground shield structure, suitable for use in an electronic circuit structure, the ground shield structure at least comprising:

20 a ground surface, comprising a plurality of slots in a polygon shape, the slots are distributed in the ground surface by a periodic, compact and complementary arrangement.

8. The ground shield structure of claim 7, wherein the slots have an identical cross-sectional profile.

9. The ground shield structure of claim 7, wherein the slots have different cross-sectional profiles.

10. The ground shield structure of claim 7, wherein the ground surface includes a planar surface.

5 11. The ground shield structure of claim 7, wherein the ground surface includes a curved surface.

12. A ground shield structure, suitable for use in an electronic circuit structure, the ground shield structure at least comprising:

10 a ground surface, comprising a plurality of polygon ground cells, distributed on the ground surface by a periodic, compact and complementary arrangement.

13. The ground shield structure of claim 12, wherein the polygon ground cells are portions of the ground surface.

14. The ground shield structure of claim 13, further comprising at least an interconnection member connecting two of the adjacent ground cells.

15 15. The ground shield structure of claim 12, wherein the polygon ground cells are slots of the ground surface.

16. The ground shield structure of claim 12, wherein the polygon ground cells have an identical cross-sectional profile.

17. The ground shield structure of claim 12, wherein the polygon ground cells 20 have different cross-sectional profiles.

18. The ground shield structure of claim 12, wherein the ground surface includes a planar surface.

19. The ground shield structure of claim 12, wherein the ground surface includes a curved surface.